

## INTERNATIONAL SEARCH REPORT

 International application No.  
 PCT/US02/36283

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) : A61K 39/155 US CL : 424/211.1 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 424/211.1 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Extra Sheet.		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WANG et al. Molecular biology of Hendra and Nipah viruses. Microbes and Infection. 03 April 2001, Vol. 3, No. 4, pages 279-287, see the entire document.	1,2,6,7,11, 12,20-22, 27-29
Y	PATERSON et al. Comparison of the Relative Roles of the F and HN Surface Glycoproteins of the Paramyxovirus Simian Virus 5 in Inducing Protective Immunity. Journal of Virology. June 1987, Vol. 61, No. 6, pages 1972-1977, see the abstract.	1,2,6,7,11, 12,20-22, 27-29
Y	YAO et al. Association of the Parainfluenza Virus Fusion and Hemagglutinin-Neuraminidase Glycoproteins on Cell Surfaces. Journal of Virology. June 1997, Vol. 71, No. 1, pages 650-656, see the abstract.	1,2,6,7,11, 12,20-22, 27-29
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "A" document member of the same patent family	
Date of the actual completion of the international search 23 SEPTEMBER 2003		Date of mailing of the international search report 13 NOV 2003
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230		Authorized officer <i>Valerie Bell-Hamilton</i> A. R. SALIMI Telephone No. (703) 308-1235

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CHUA et al. Nipah Virus: A Recently Emergent Deadly Paramyxovirus. Science. 26 May 2000, Vol. 288, pages 1432-1435, see the entire document.	1,2,6,7,11, 12,20-22, 27-29
Y	HARCOURT et al. Molecular Characterization of the Polymerase Gene and Genomic Termini of Nipah Virus. Virology. 15 August 2001, Vol. 287, pages 192-201, see Figure 1.	1,2,6,7,11, 12,20-22, 27-29
Y	BOSSART et al. Functional Expression and Membrane Fusion Tropism of the Envelope Glycoproteins of Hendra Virus. Virology. 10 November 2001, Vol. 290, pages 121-135, see the abstract.	1,2,6,7,11, 12,20-22, 27-29
Y	HARCOURT et al. Molecular Characterization of Nipah Virus, a Newly Emergent Paramyxovirus. Virology. 05 June 2000, Vol. 271, No. 2, pages 334-349, see the abstract.	1,2,6,7,11, 12,20-22, 27-29

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## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☒ Claims Nos.: 3-5, 8-10, 13-19, 23-26, 30  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

## Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

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B. FIELDS SEARCHED

Electronic data bases consulted (Name of data base and where practicable terms used):

MEDLINE, NPL, WEST, DREWENT, EPA, JAP, CAPLUS

search terms: Hendra Virus, Nipah Virus, fusion, glycopro?, membrane, paramyxovirus

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